WORKSHEET TO DETERMINE LITTER PRODUCTION AND STORAGE REQUIREMENTS FOR POULTRY OPERATIONS

Name of grower: _____ County: _____

A. Number of birds: _____ **B**. No. of Flocks per year: _____

C. Lbs. litter produced/yr [a/] = (**A** x **B** x Litter Production [b/] = _____ x ____ x _____ = _____lbs/yr
(Ex.: 2.1 lbs/bird/flock for a 4.2 lb. broiler.)

D. Tons waste/yr = **C**/2000 = _____ /2000 = _____ tons/yr

E. **D**ensity **F**actor = **DF** = 2000/Density [b/] = 2000/ _____=_____ cf/ton

F. Vol. of waste produced/yr [a/] = **D x DF** = _____ x _____ = _____ cf/yr

G. Tons for composting dead chickens:

G1. Chickens: **A** x **B** x Mortality Rate [b/] x Avg Wgt [b/] / 2000 =

_____ x _____ x _____ x _____ /2000 = _____ tons/yr

G2. Litter: **G1** x 2.5 = _____ x 2.5 = _____ tons/yr

H. Tons fed to cattle (Form AL-ENG-25I line S): _____ tons/yr

I. Tons of litter to spread = **D** - **G2** - **H** = _____ - _____ - _____ = _____ tons/yr

J. Compost = (**G1** + **G2**) x (shrinkage) = (_____+_____) x 0.8 = _____ tons/yr

LITTER STORAGE REQUIREMENTS

K. **S**tored **L**itter for fertilizer = **SL** [c/] **DF** = _____ x _____ = _____ cf

L. Litter for feeding = **H** x **DF** = _____ x _____ = _____ cf

M. Litter for composting = **G2** x **DF** x (1/CO [d/]) = _____ x_____ x (1/_____) = _____ cf

N. Annual Storage Requirements = **K** + **L** + **M** = _____ + _____ + _____ = _____ cf

O. Store **F** or **N** as appropriate = _____cf
(Use appropriate engineering worksheets to size dry stack/temporary storage.)

[a/] Based on one complete cleanout per year. Other cleanout schedules will require individual records to establish trends.
[b/] Refer to Table 3 in Section III. of Workbook or producer records.
[c/] From Nutrient Application Summary Worksheet.
[d/] CO = Number of cleanouts per year.